



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Gopi Glass Sales & Services Corp.
7450 NW 41st Street
Miami, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Clipped, Extruded Aluminum Tube Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. **M95-16**, titled "Aluminum Tube Mullions", sheets 1 through 4 of 4, dated 12/05/95, with revision F dated 02/17/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **10-0107.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
4/17/12

NOA No. 12-0222.07
Expiration Date: March 28, 2017
Approval Date: April 26, 2012
Page 1

Gopi Glass Sales & Services Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **M95-16**, titled "Aluminum Tube Mullions", sheets 1 through 4, dated 12/05/95, with revision F dated 02/17/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed windows mulled together, prepared by Fenestration Testing Laboratory, Inc., verification Test Report No. **FTL-5378**, dated 10/04/07, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under previous NOA No. 06-0210.07)
2. Test reports on: 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94
4.) Large Missile Impact Test, FBC TAS 201-94
5.) Cyclic Loading Test, per FBC TAS 203-94
along with marked-up drawings and installation diagram of two mulled side-by-side series 510 aluminum fixed window, prepared by Hurricane Engineering & Testing Lab, Inc., Test Report No. **HETI-02-1145B** dated 04/30/02, signed and sealed by Hector M. Medina, P.E.
(For reference only) (Submitted under previous NOA No. 02-0826.03)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
along with installation diagram of window prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-512**, dated 02/02/96 signed and sealed by Hector M. Medina, P.E.
(Submitted under previous NOA No. 99-0331.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, dated 02/15/12, signed and sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)


Manuel Perez, P.E.
Product Control Examiner

NOA No. 12-0222.07

Expiration Date: March 28, 2017

Approval Date: April 26, 2012

Gopi Glass Sales & Services Corp.

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E. MATERIAL CERTIFICATIONS


1. None.

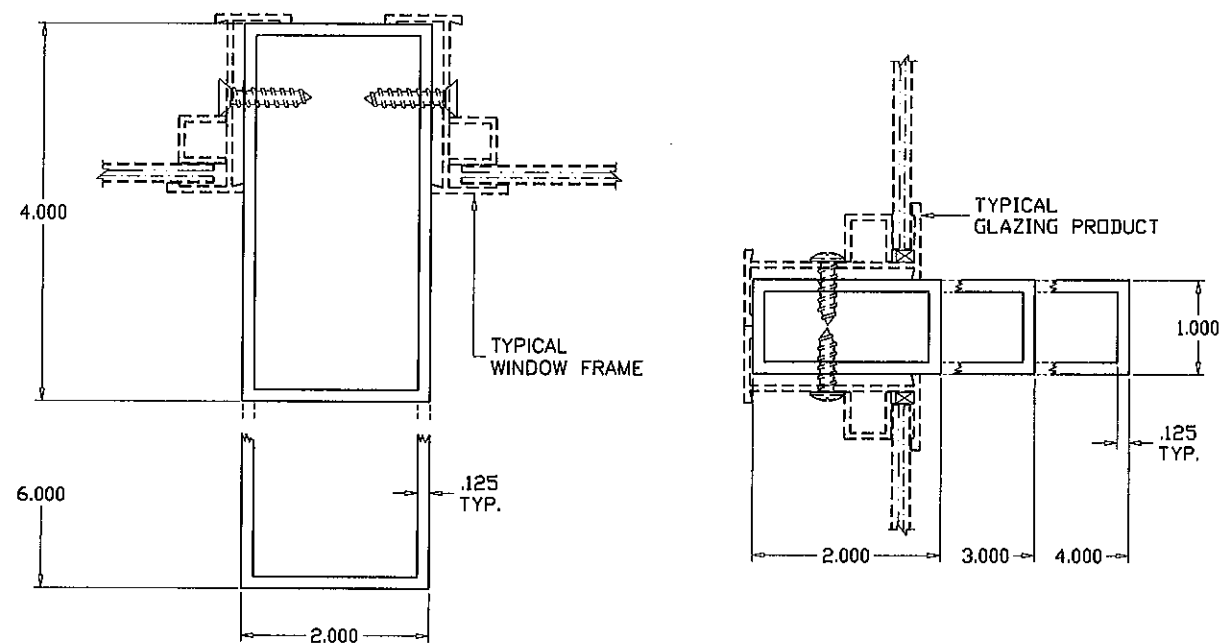
F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and no financial interest, dated February 16, 2012, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **FTL-5378**, issued by Fenestration Testing Laboratory, Inc., dated 10/04/07, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under previous NOA No. 06-0210.07)
3. Laboratory for Test Reports No. **HETI-96-512** and **HETI-02-1145B** issued by Hurricane Test Laboratory, Inc., dated 02/02/96 and 04/30/02, respectively, both signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 99-0331.02 and 02-0826.03 respectively)

G. OTHERS

1. Notice of Acceptance No. **10-0107.03**, issued to Gopi Glass Corporation for their Series Clipped Aluminum Tube Mullions – L.M.I.”, approved on 03/10/10 and expiring on 03/28/12.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0222.07
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MULLIONS CONTAINING TYPICAL GLAZING PRODUCTS HORIZONTAL OR VERTICAL

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

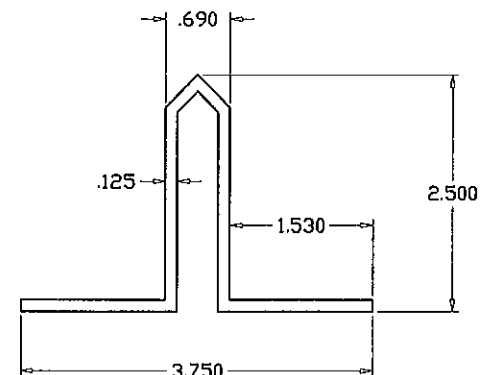
ALL MULLIONS 6063-T6 MIN.

INSTRUCTIONS:

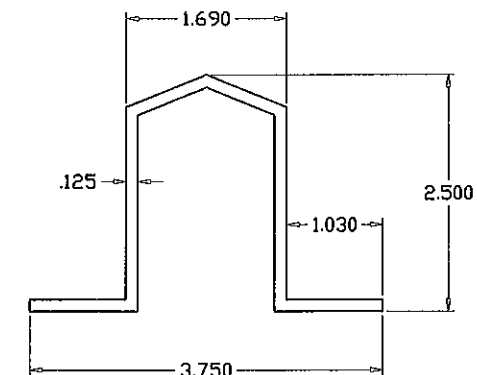
USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.
- STEP 2** USE MIAMI-DADE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS.
- STEP 3** USE CONNECTION TO MULLION AS PER PRODUCT APPROVAL.
- STEP 4** USING CHARTS ON SHEET 2 SELECT MULLION SIZE WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** USING ANCHOR TYPES ON SHEET 4 AND ANCHOR CHARTS ON SHEET 3, SELECT ANCHOR TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE. LOWER VALUES FROM GLAZING PRODUCTS, MULLION CHARTS OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

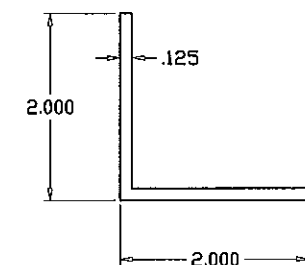
MULLION SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED IMPACT AND NON-IMPACT RESISTANT PRODUCTS.



MULLION CLIP (6063-T6)
(ALT. TO ANGLES)
CLIP LENGTHS MUST BE CUT TO FIT SNUG INTO TUBE MULLIONS.



MULLION CLIP (6063-T6)
(ALT. TO ANGLES)
CLIP LENGTHS MUST BE CUT TO FIT SNUG INTO TUBE MULLIONS.



ANGLE CLIP (6063-T6)

RECTANGULAR ALUMINUM TUBE MULLIONS USING MULLION PROPERTIES ONLY

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr. JAVAD AHMAD
CIVIL
FLA. PE. # 70392
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Resistance No. 12-0222.07
Expiration Date MARCH 28, 2017
by: *Mamuel*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

ALUMINUM TUBE MULLIONS

GOP! GLASS CORPORATION
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089 FAX. (305) 477-8992

MULLION M95-16GG

no	date	by	description
C	10.26.06		UPDATED FOR 2004 FBC
D	03.29.07		NO CHANGE THIS SHEET
E	12.02.09		UPDATED FOR 2007 FBC
F	02.17.12		UPDATED TO 2010 FBC

date: 12-05-95

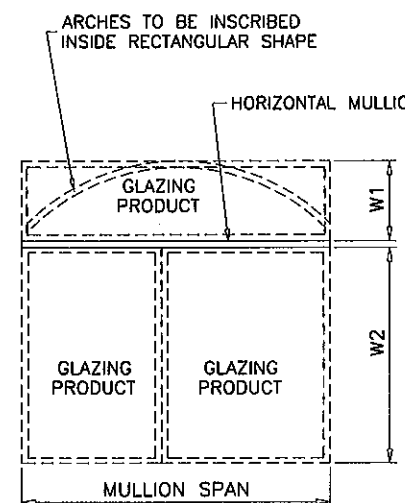
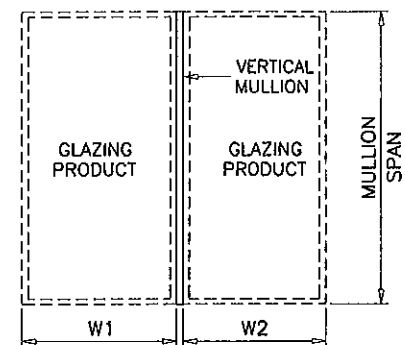
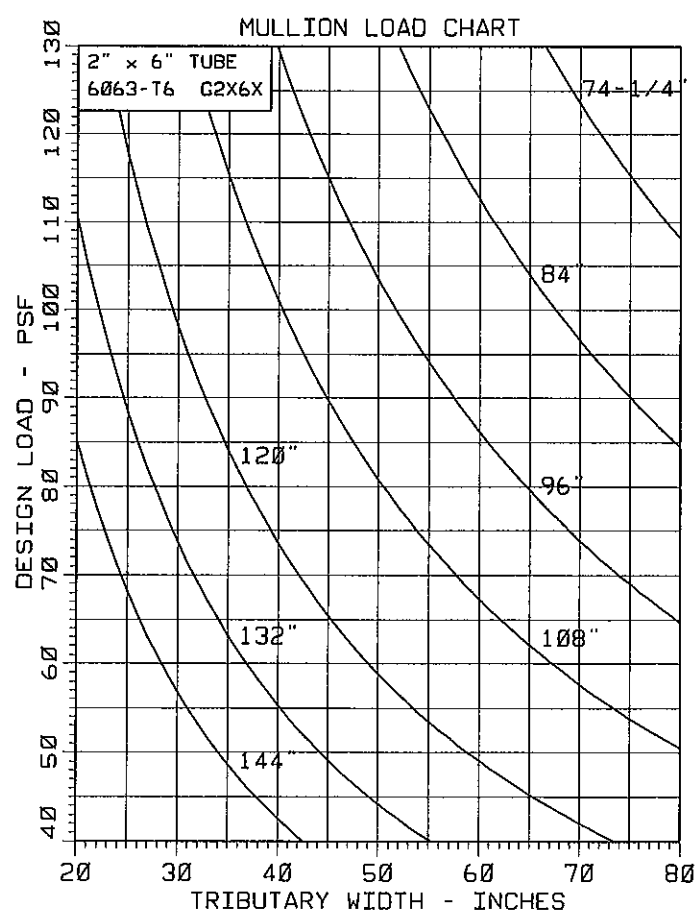
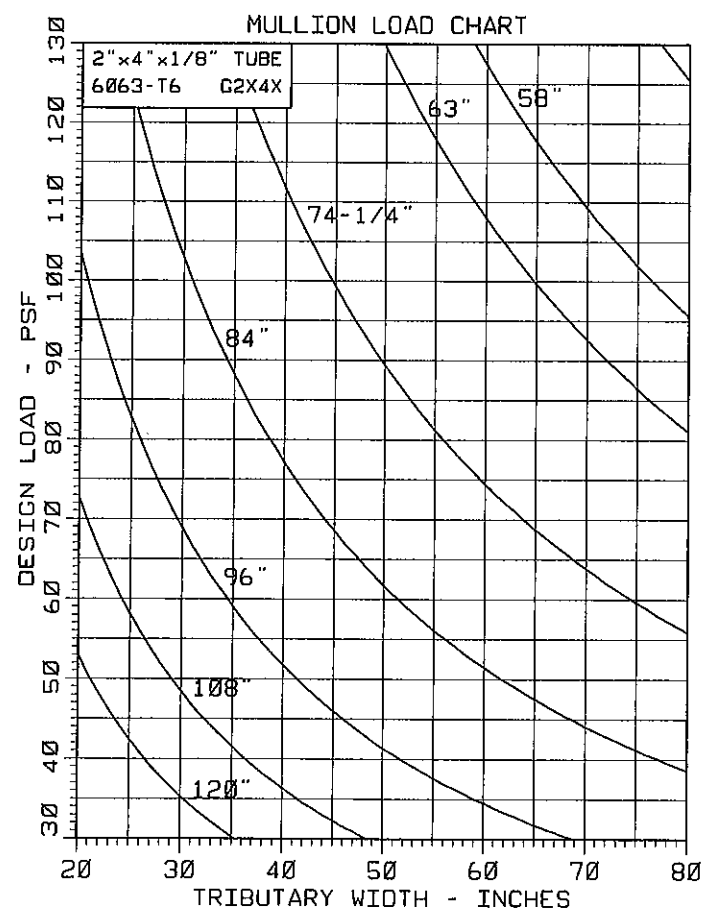
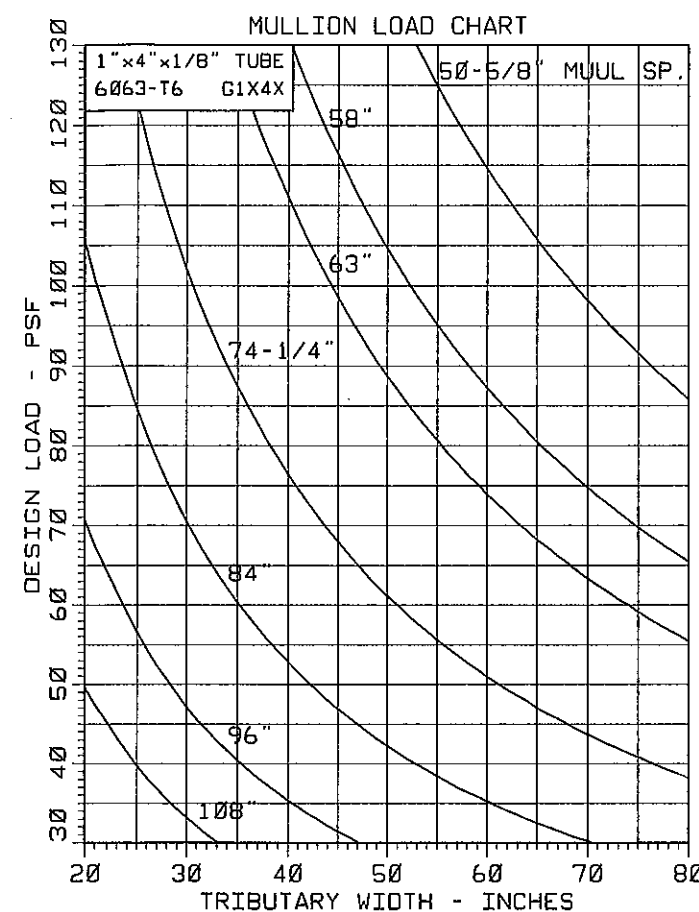
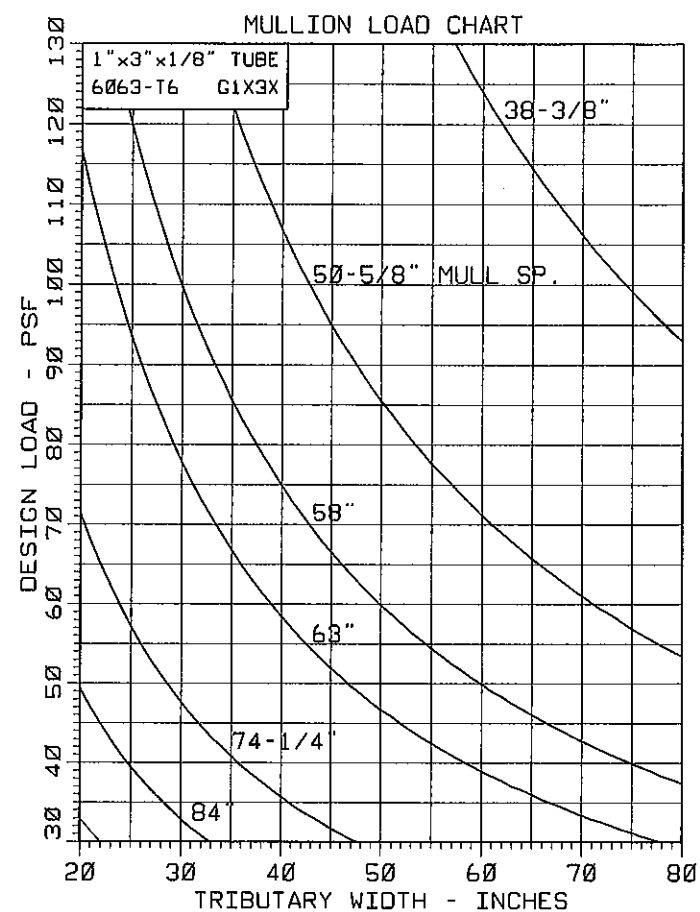
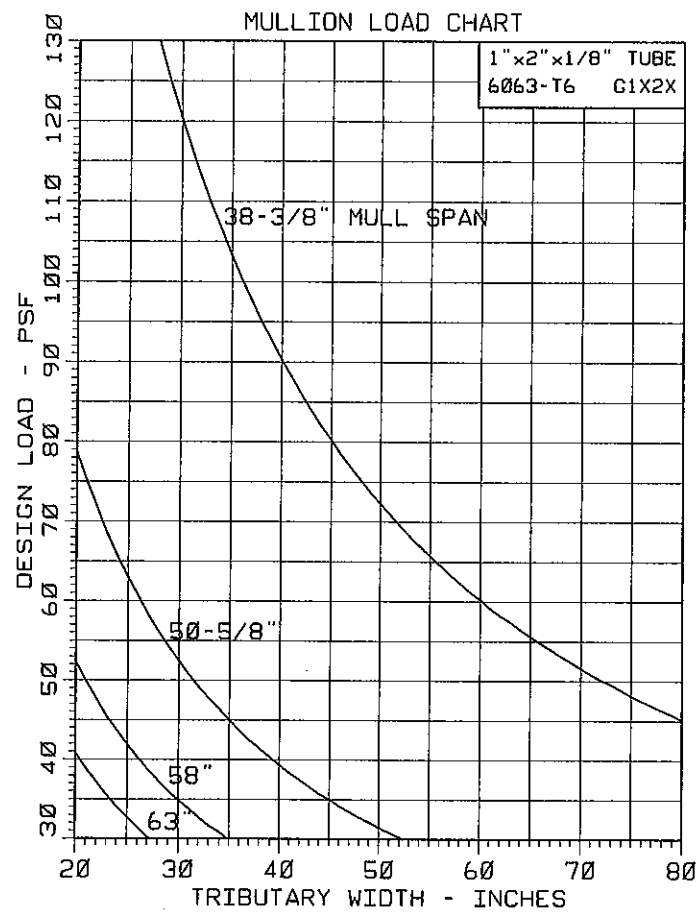
scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no. **M95-16**

sheet 1 of 4



TYPICAL MULLION ARRANGEMENTS

$$WIDTH (W) = \frac{W1 + W2}{2}$$

NOTE:
MULLIONS RATED IN THESE CHARTS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY.
(INTERPOLATION BETWEEN WIDTHS ALLOWED)

Engr. JAVAD AHMAD
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FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 12-0222-07
Expiration Date March 28, 2017

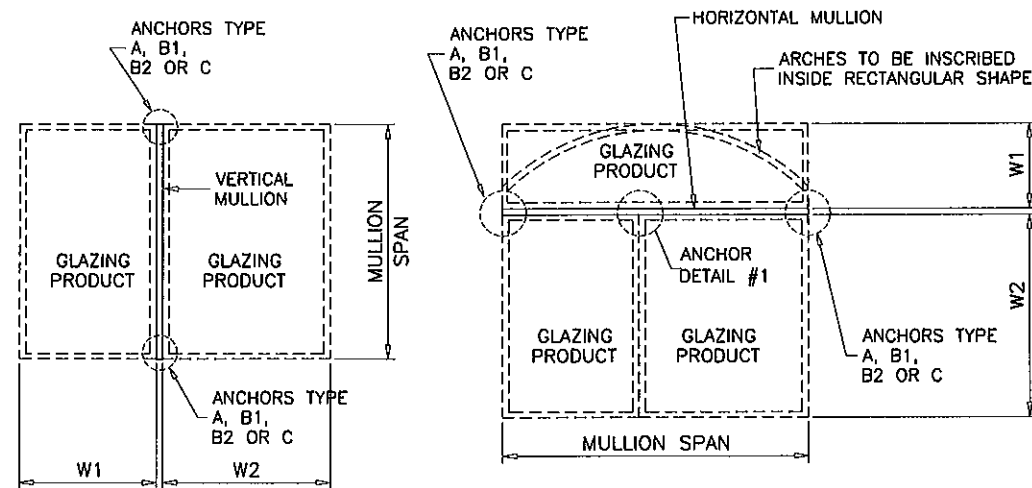
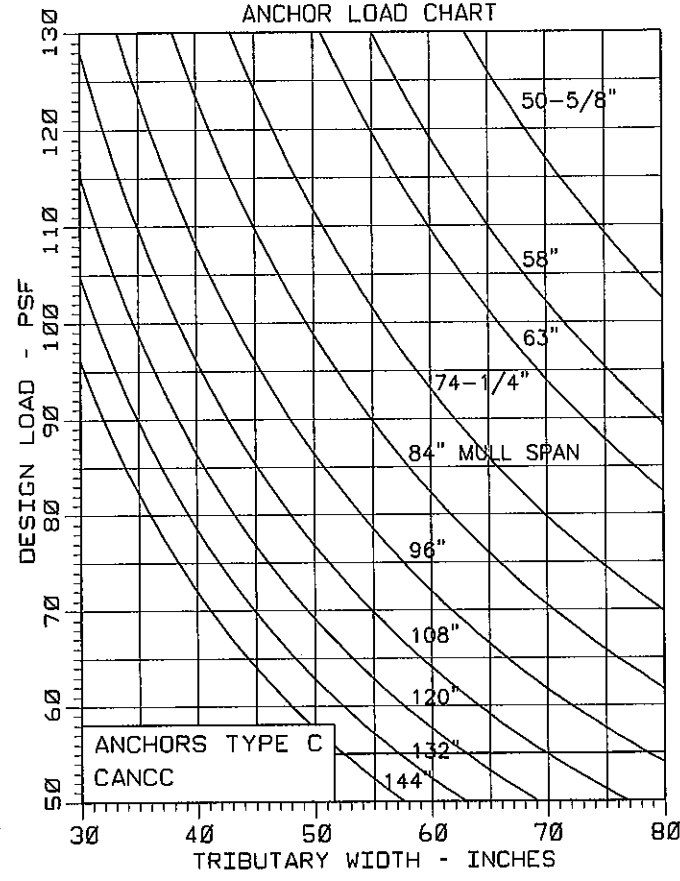
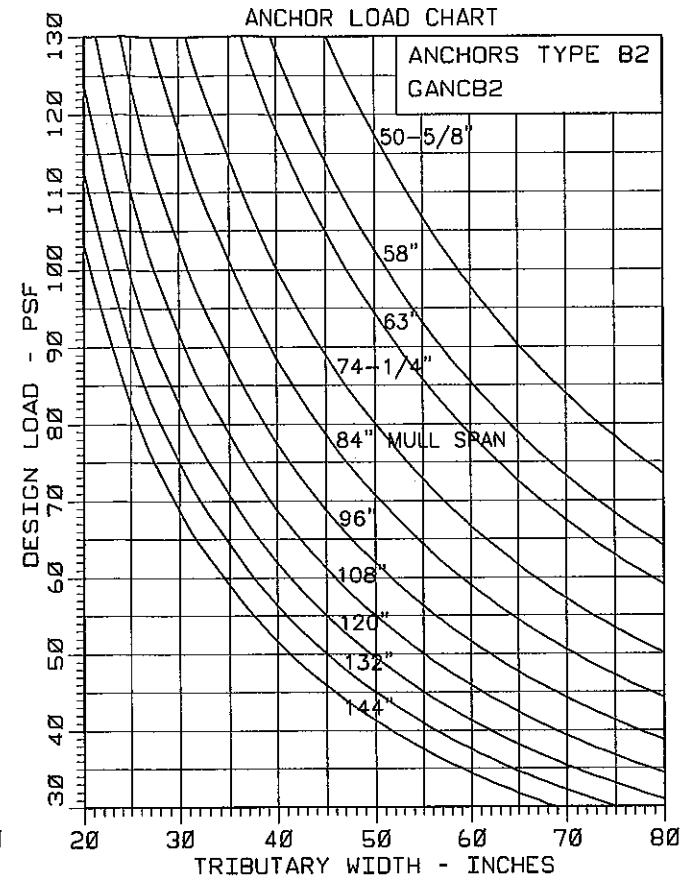
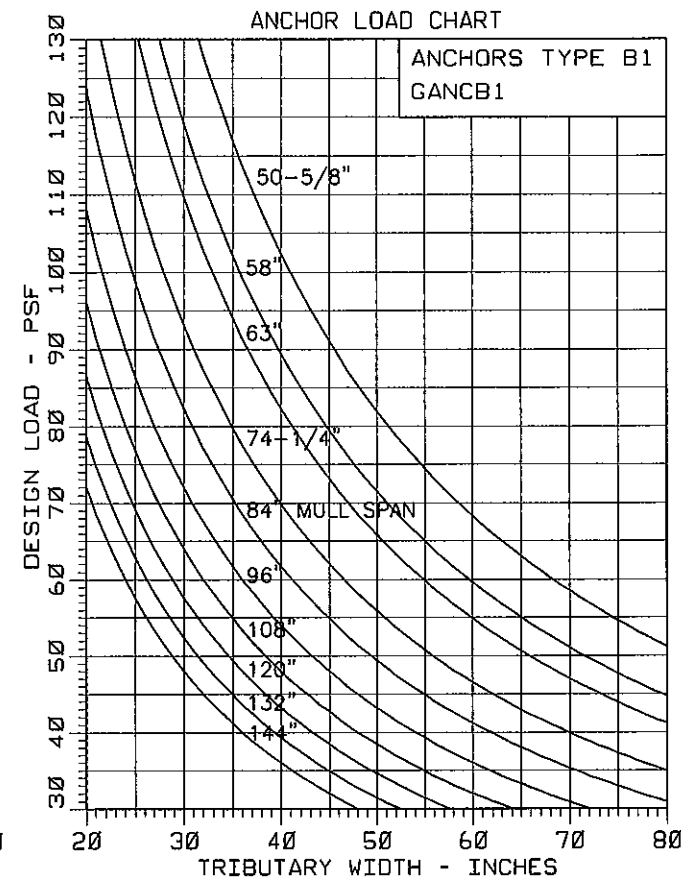
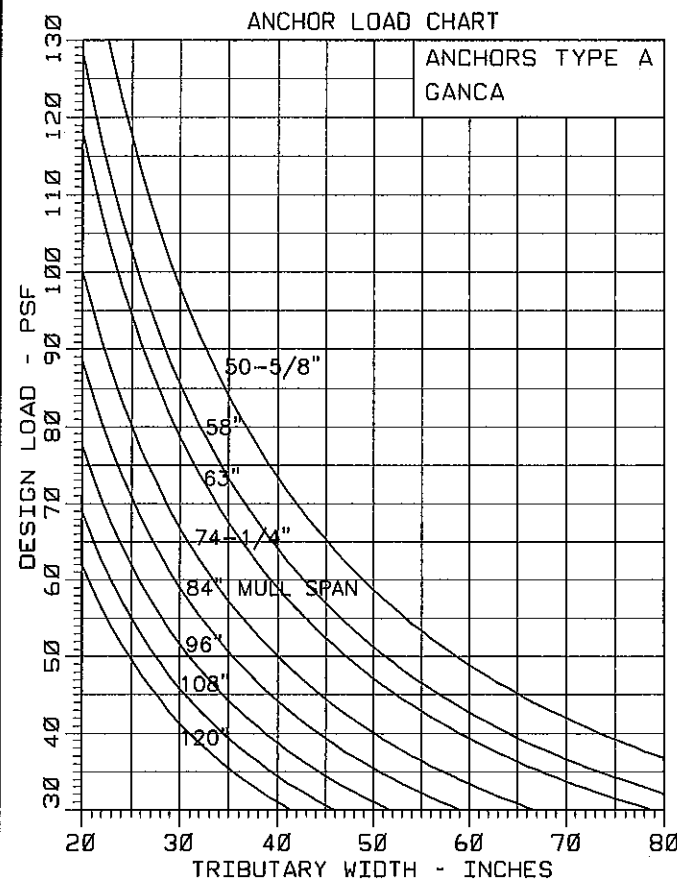
MULLIONS

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TEL (305) 264-8100 FAX (305) 262-6978
MULLION M95-16CG

ALUMINUM TUBE MULLIONS
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revisions:	no	date	by	description
	C	10.26.06		GRAPHIC REV.
	D	03.29.07		NO CHANGE THIS SHEET
	E	12.02.09		UPDATED FOR 2007 FBC
	F	02.17.12		NO CHANGE THIS SHEET

date: 12-05-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no.
M95-16
sheet 2 of 4



TYPICAL MULLION ARRANGEMENTS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

NOTE:

ANY ANCHOR CONDITION SHOWN HEREIN MAY COVER LOCATIONS AT HEAD, SILL OR JAMB ENDS.

FOR ANCHORS DESCRIPTION SEE SHEET 4.

(INTERPOLATION BETWEEN WIDTHS OR SPANS ALLOWED)

Engr. JAVAD AHMAD
CIVIL
FLA. P.E. # 70592
C.A.N. 3538

PRODUCT REVISIONS
Complying with the Florida
Building Code
Acceptance No. 12-0222-07
Expiration Date March 28, 2017
By: *Manuel Perez*
Miami Dade Product Control

ANCHORS

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
MULLION M95-16GG

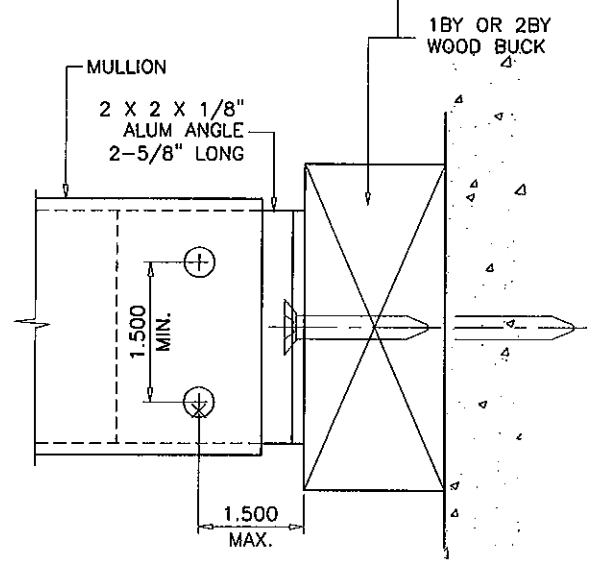
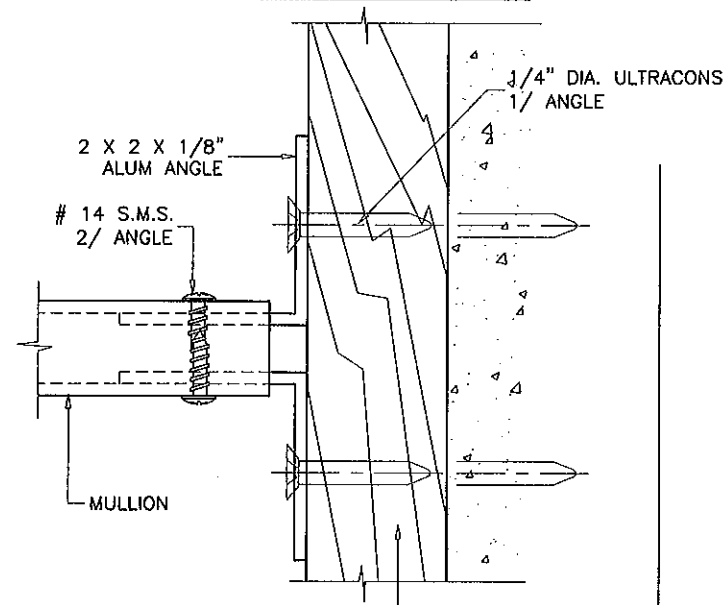
ALUMINUM TUBE MULLIONS
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C	10.26.06	GRAPHIS REV.	
D	03.29.07	NO CHANGE THIS SHEET	
E	12.02.09	UPDATED FOR 2007 FBC	
F	02.17.12	ANCHOR CHART A & B2 REV.	

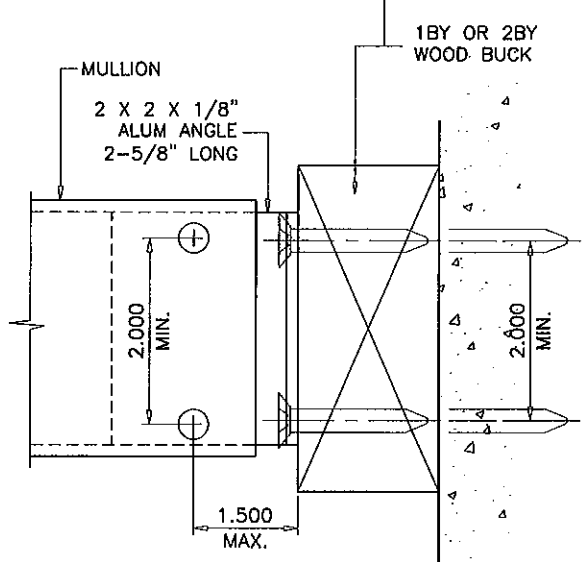
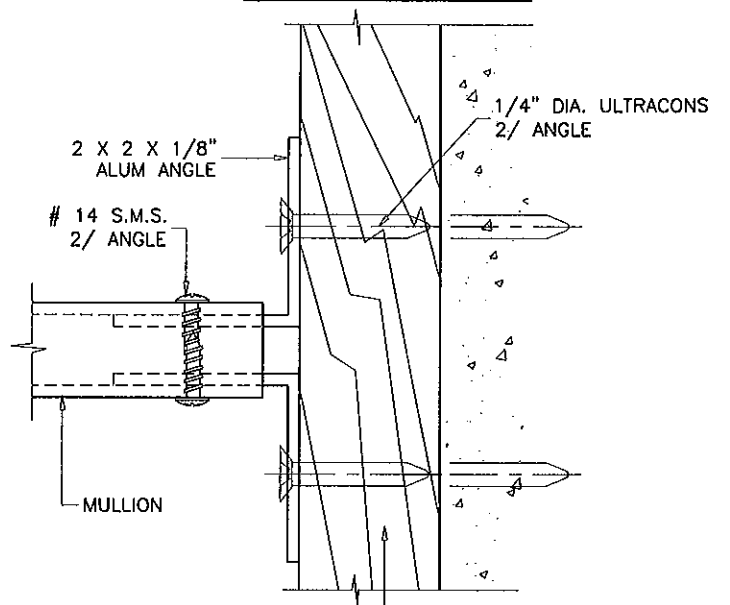
date: 12-05-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
M95-16
sheet 3 of 4

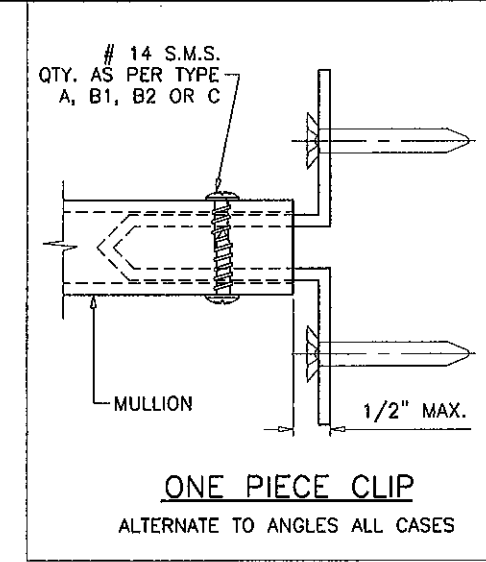
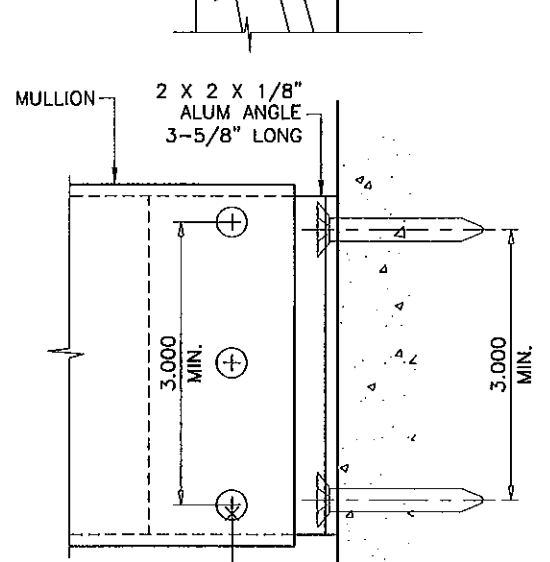
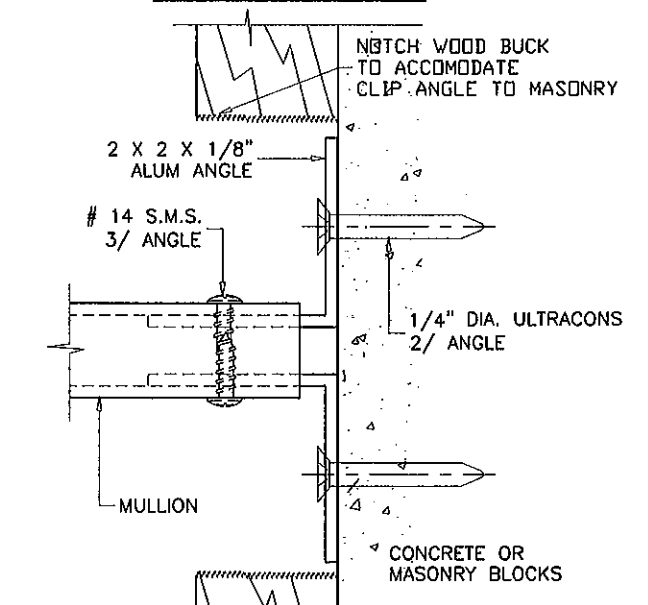
ANCHORS TYPE 'A'



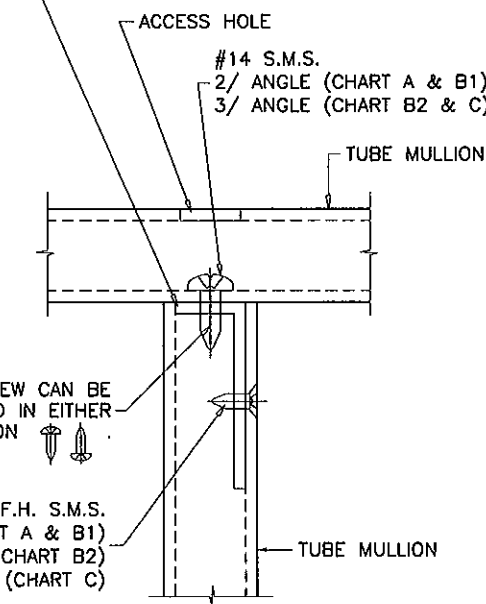
ANCHORS TYPE 'B2'



ANCHORS TYPE 'C'



ALUM ANGLE
2 X 3/4 X 1/8"
1-5/8" LONG (FOR 2" TUBE)
2-5/8" LONG (FOR 3" TUBE)
3-5/8" LONG (FOR 4", 5" & 6" TUBES)

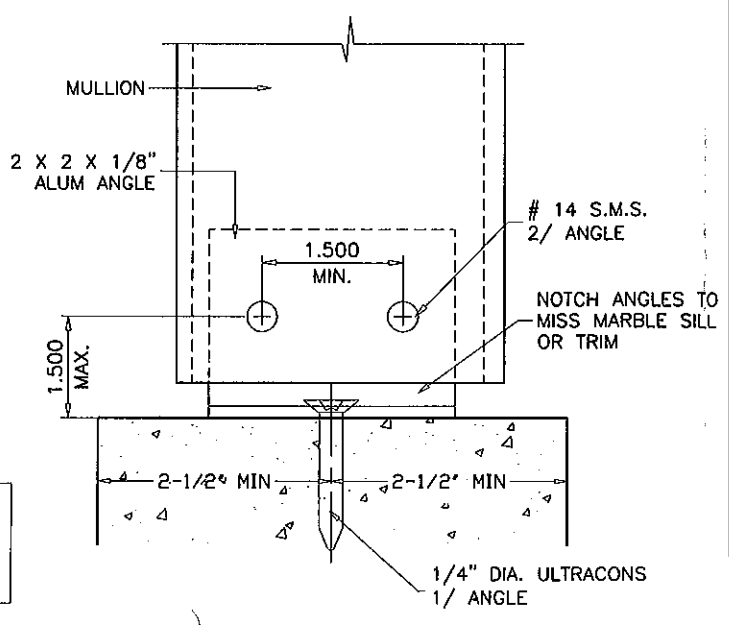


ANCHOR DETAIL #1

1/4" DIA. ULTRACONS BY 'ELCO'		
ULTRACONS MAY BE HEX OR FLAT HEAD		
SUBSTRATE	MIN. EDGE DIST.	MIN. EMBEDMENT
WOOD	1"	1-3/8"
BLOCK	2-1/2"	1-1/4"
CONCRETE	2-1/2"	1-1/4"

ALL CLIPS AND ANGLES TO FIT SNUG INTO TUBE MULLIONS. CLIPS OR ANGLES CONNECTED DIRECTLY TO MASONRY TO BE PROTECTED WITH ALKALI-RESISTANT COATINGS, SUCH AS BITUMINOUS PAINT OR WATER-WHITE METHACRYLATE LACQUER.

ANCHORS TYPE 'B1'



WOOD BUCKS NOT BY GOPI GLASS
MUST SUSTAIN LOADS IMPOSED.

Engr: JAVAD AHMAD
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MULLION M95-1603

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revisions:	no	date	by	description
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chk. by:

drawing no.
M95-16
sheet 4 of 4